

# IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

Robert M. Guidash

U.S. Serial No. 10/620,060 (D85354/PCW)

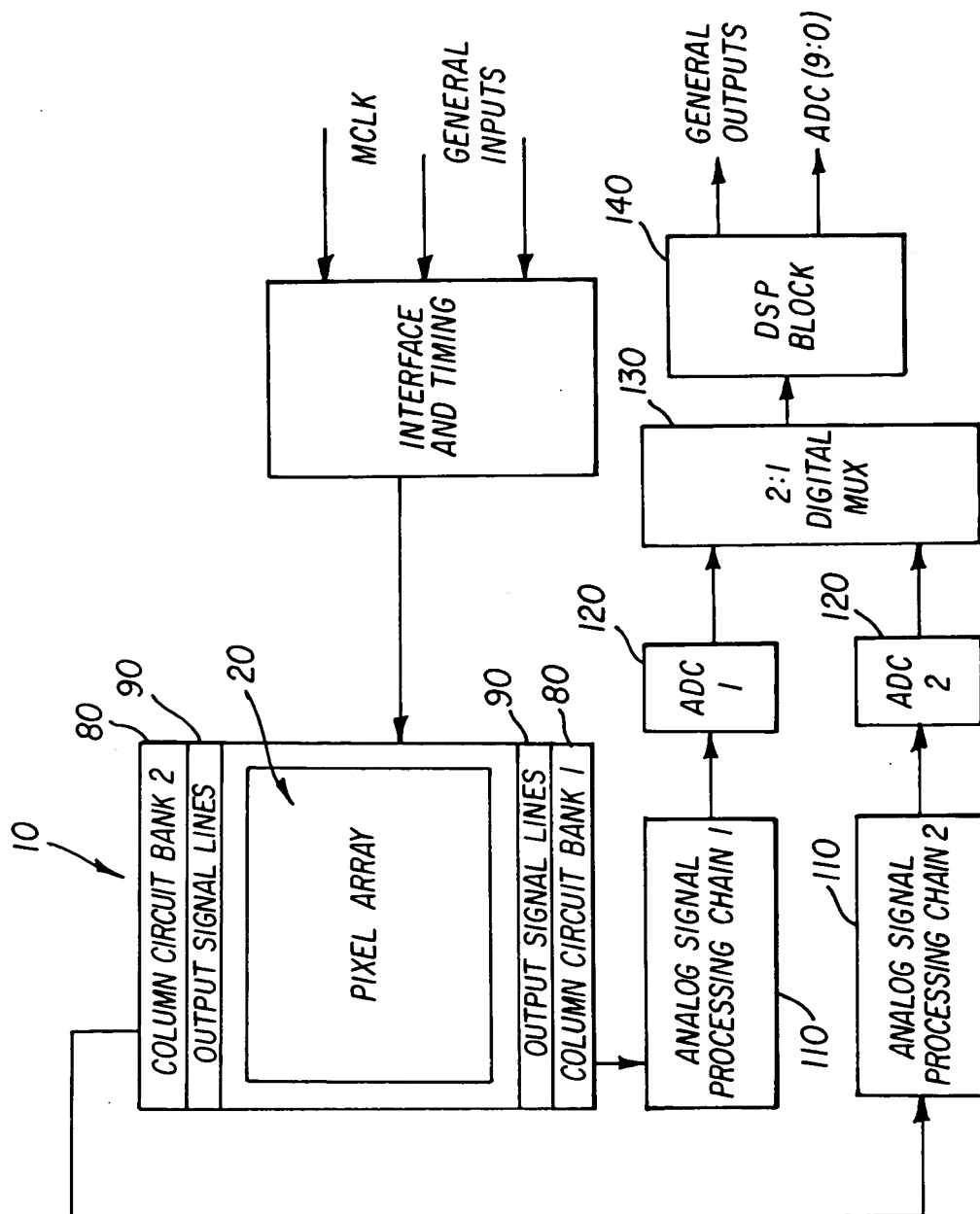


FIG. 1



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT  
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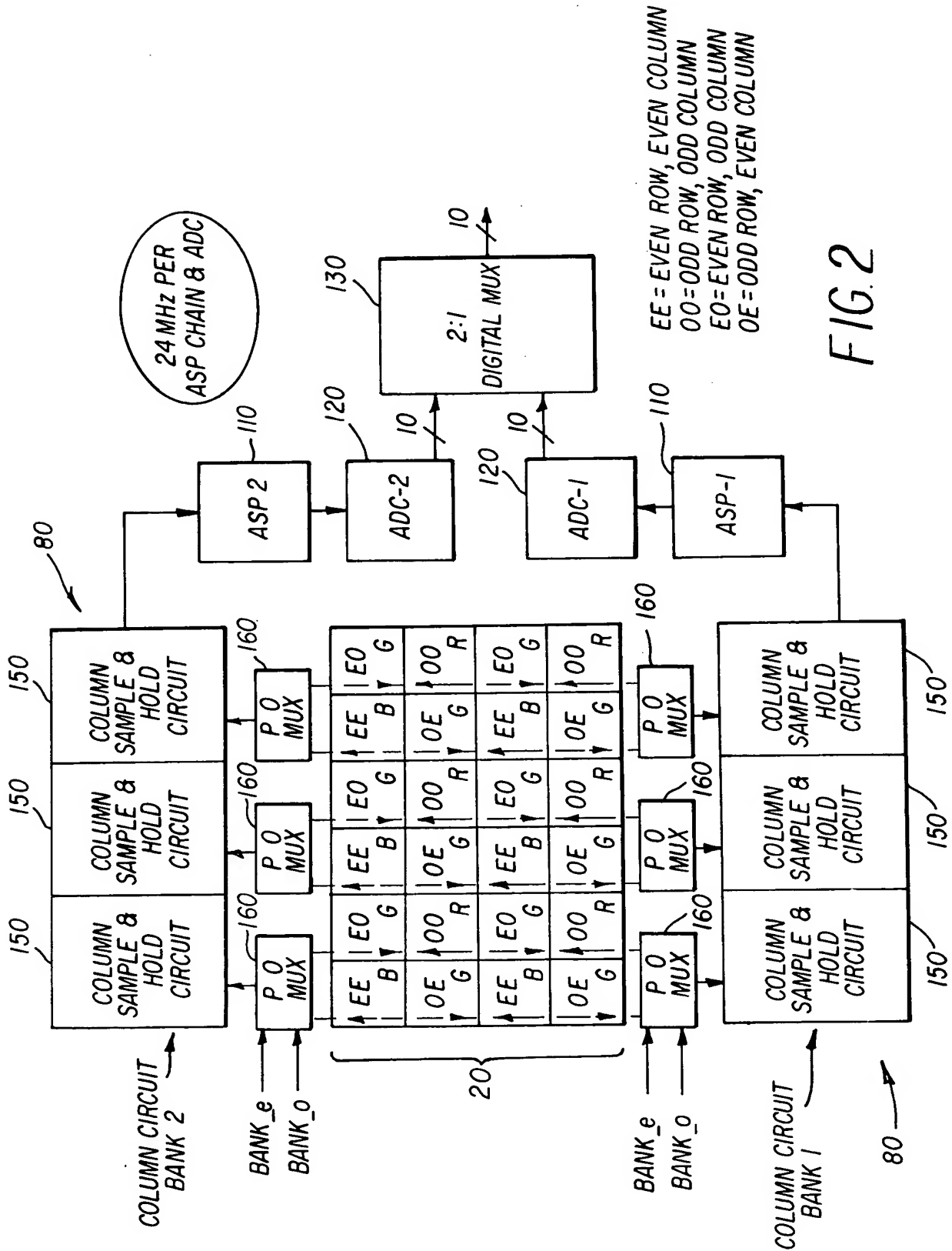


FIG. 2

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A circular black and white stamp. The outer ring contains the text "OIP" at the top and "PATENT &amp; TRADEMARK OFFICE" at the bottom. In the center, the date "DEC 18 2003" is stamped.



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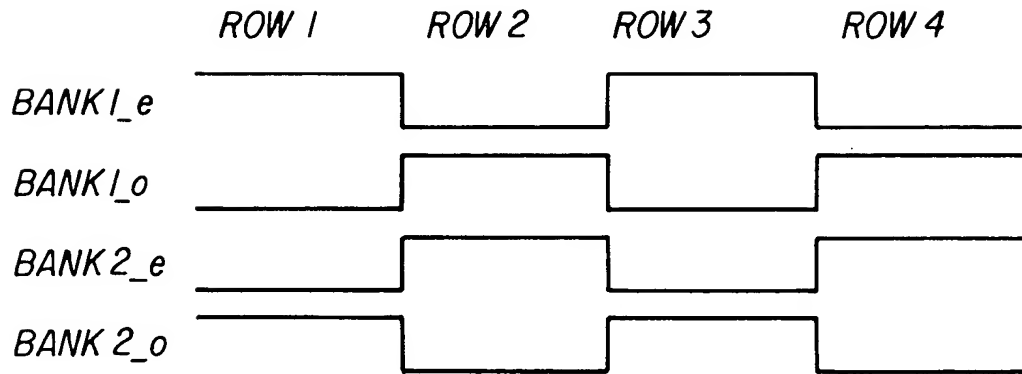


FIG. 3b

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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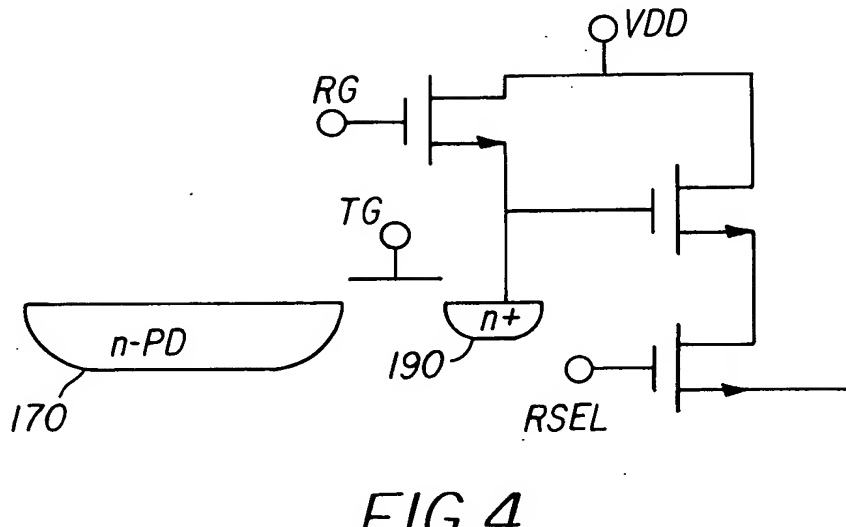
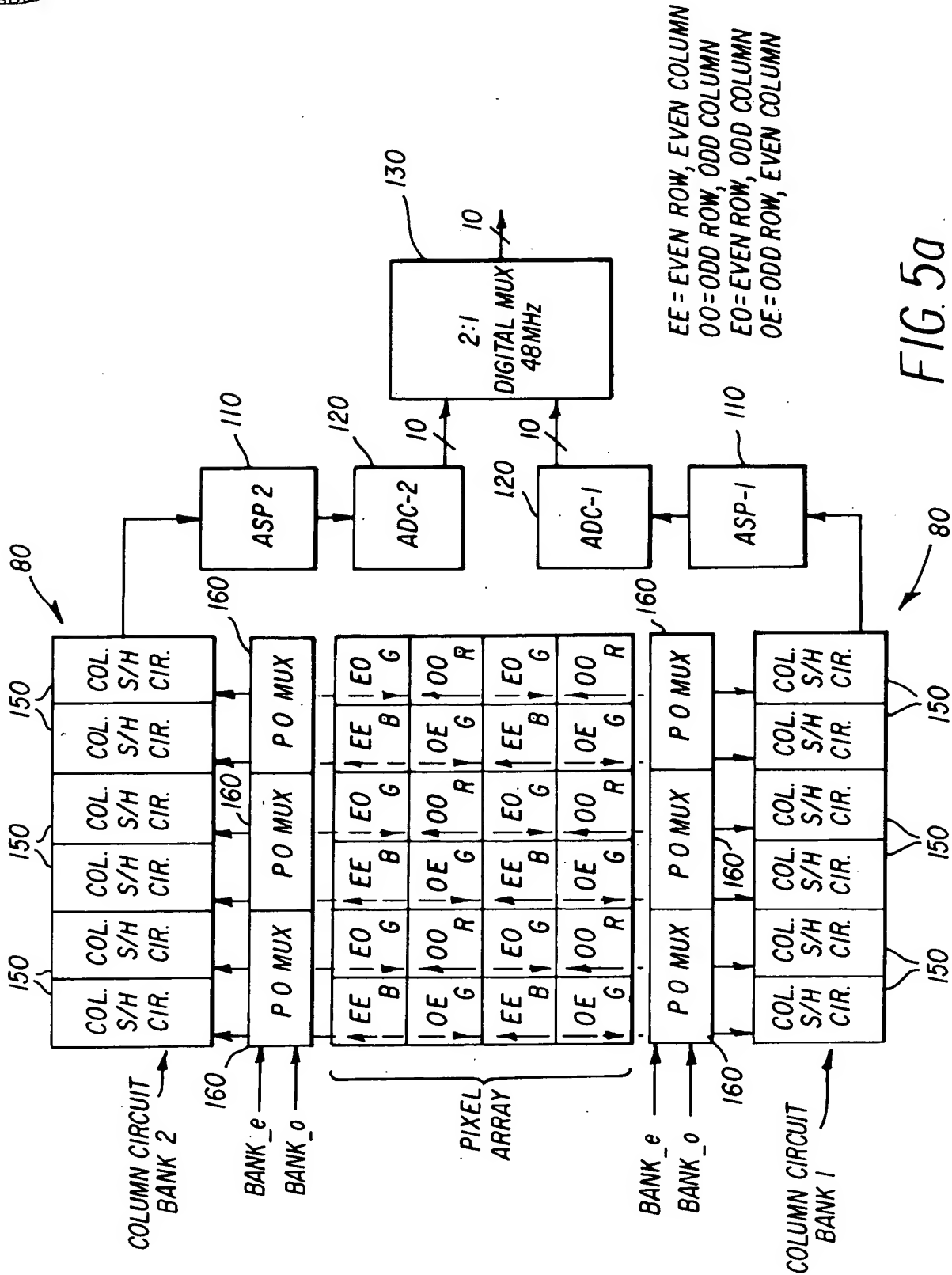


FIG. 4

# IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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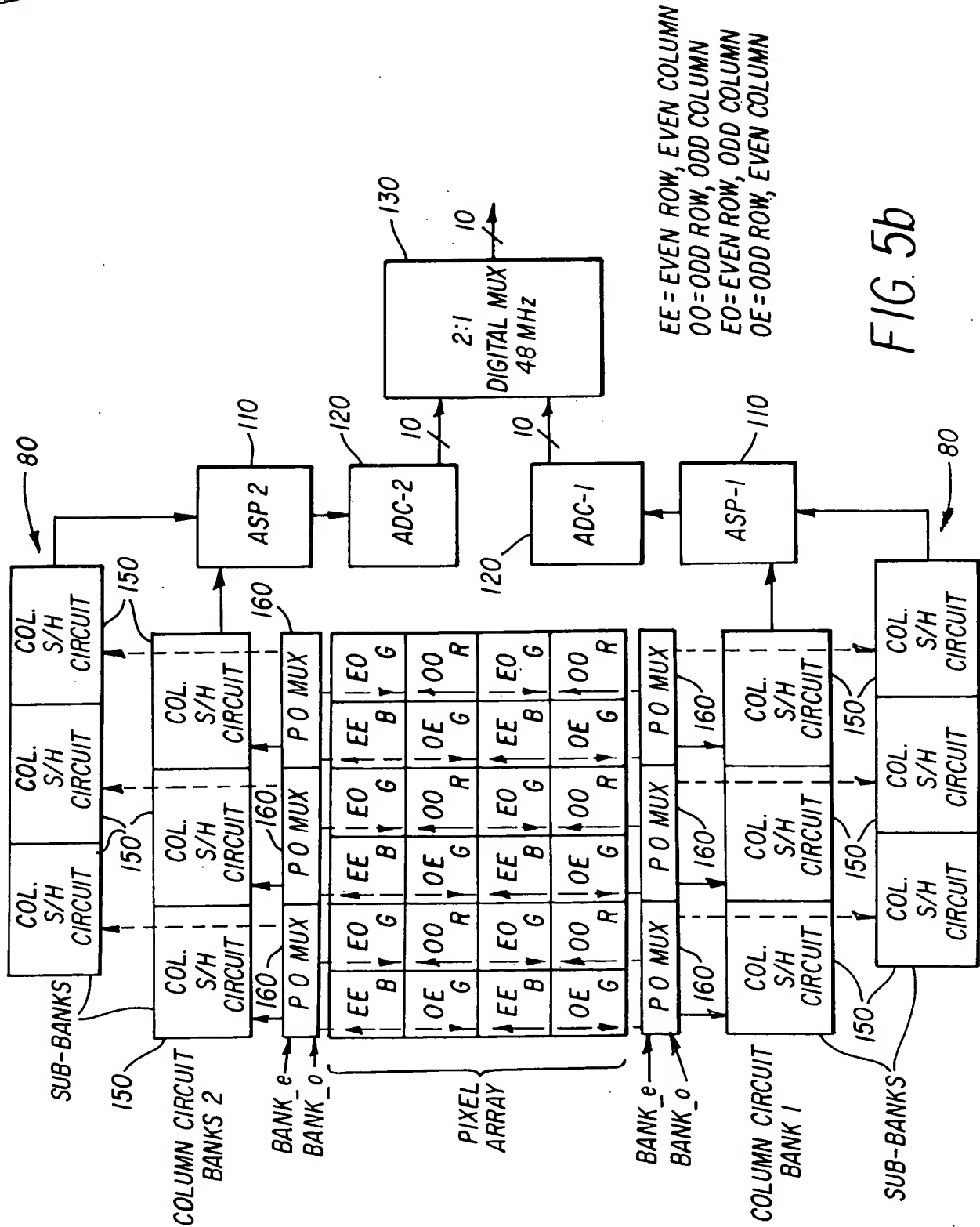
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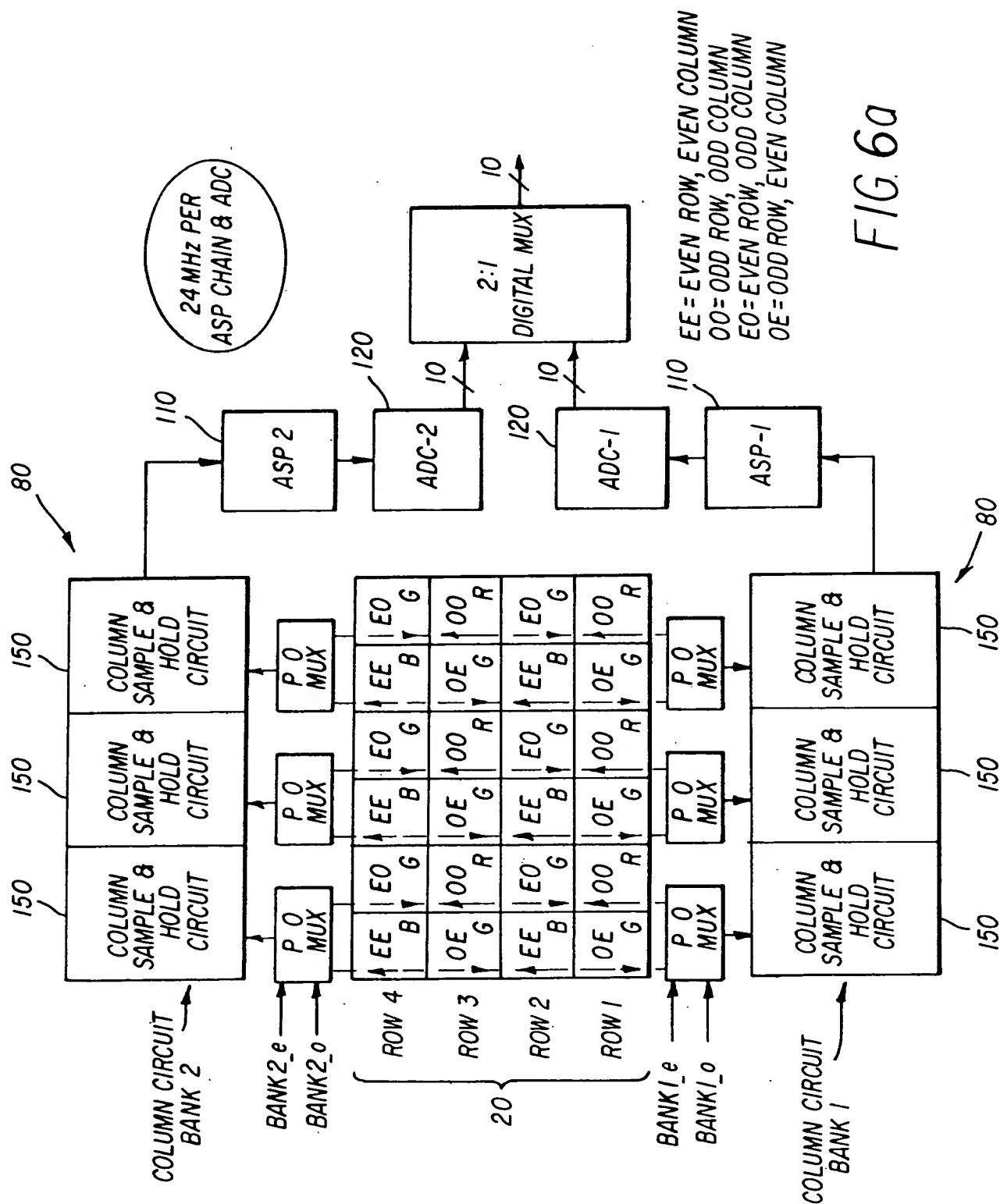


FIG. 6a



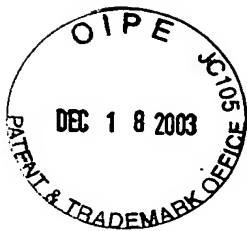


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT  
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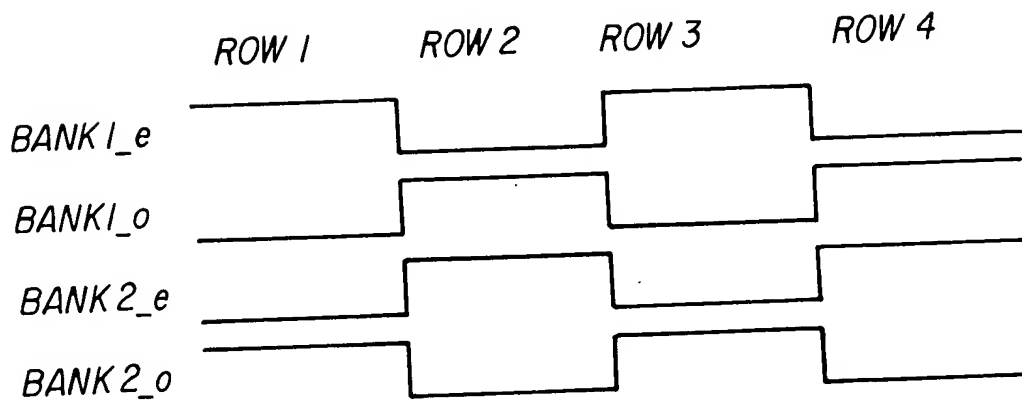


FIG. 6b



IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT  
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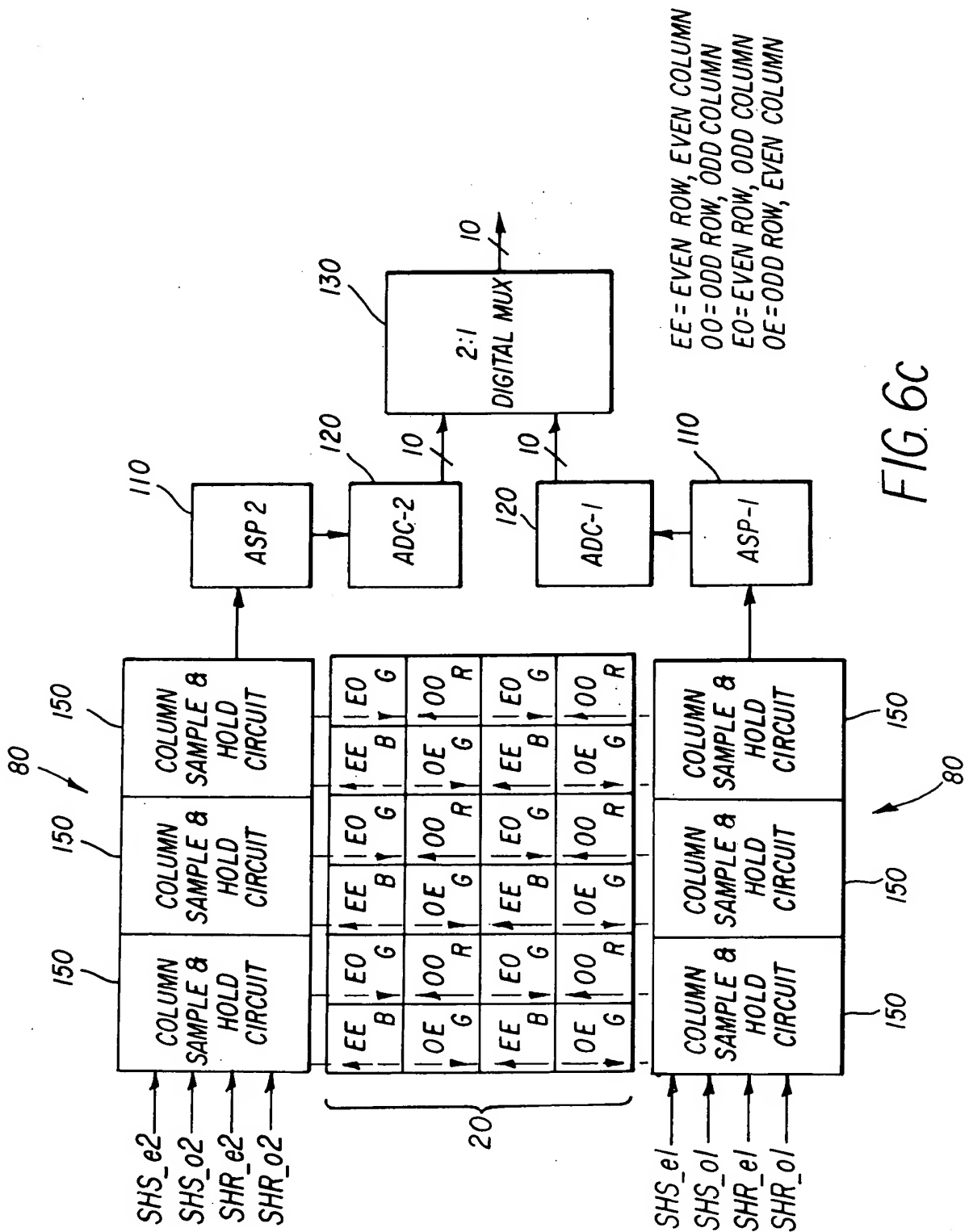


IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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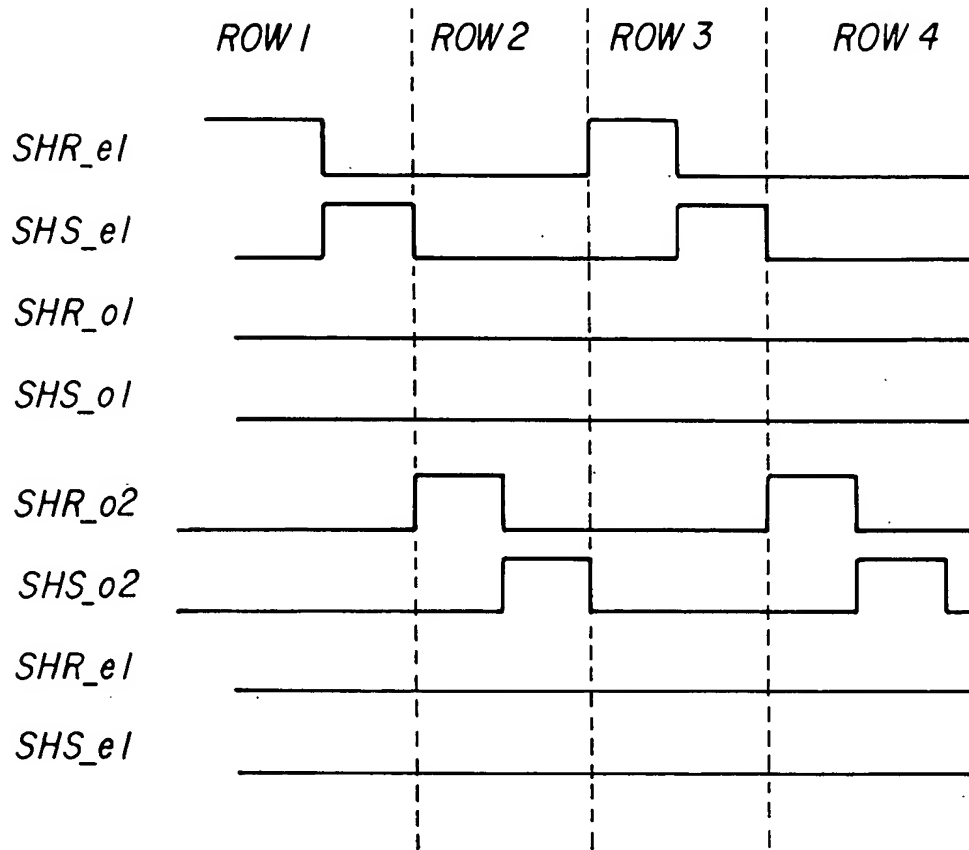


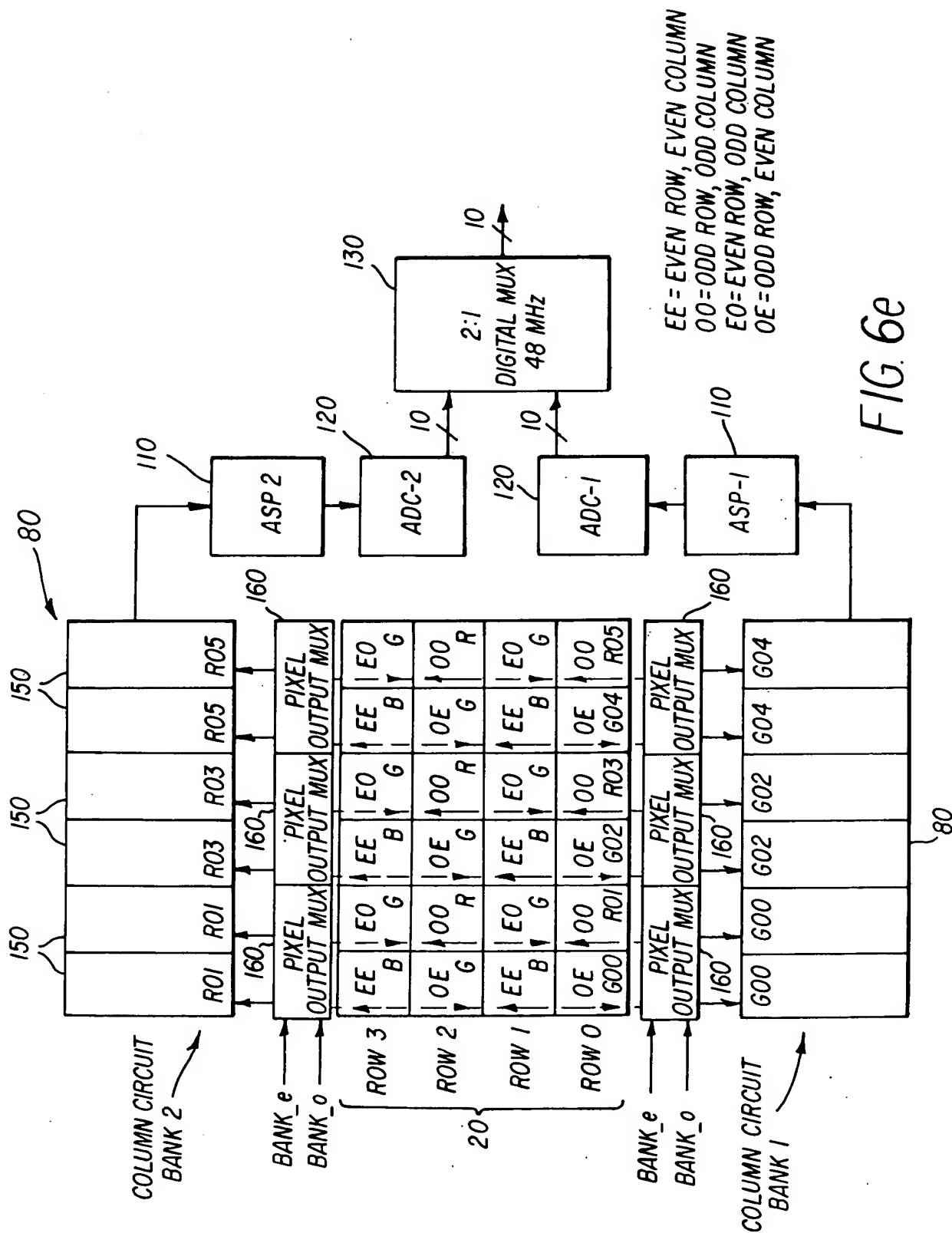
FIG. 6d



# IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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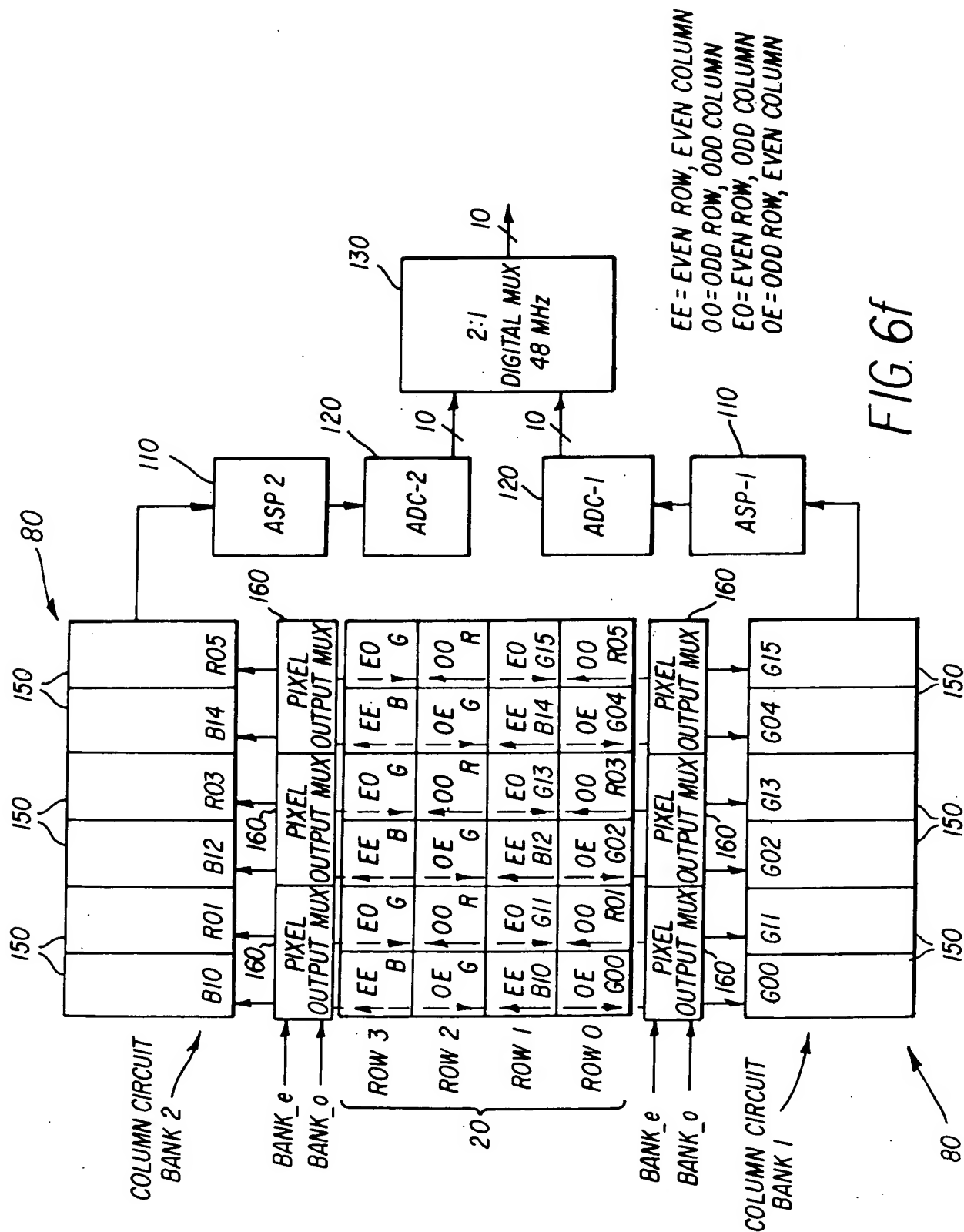


FIG. 6f

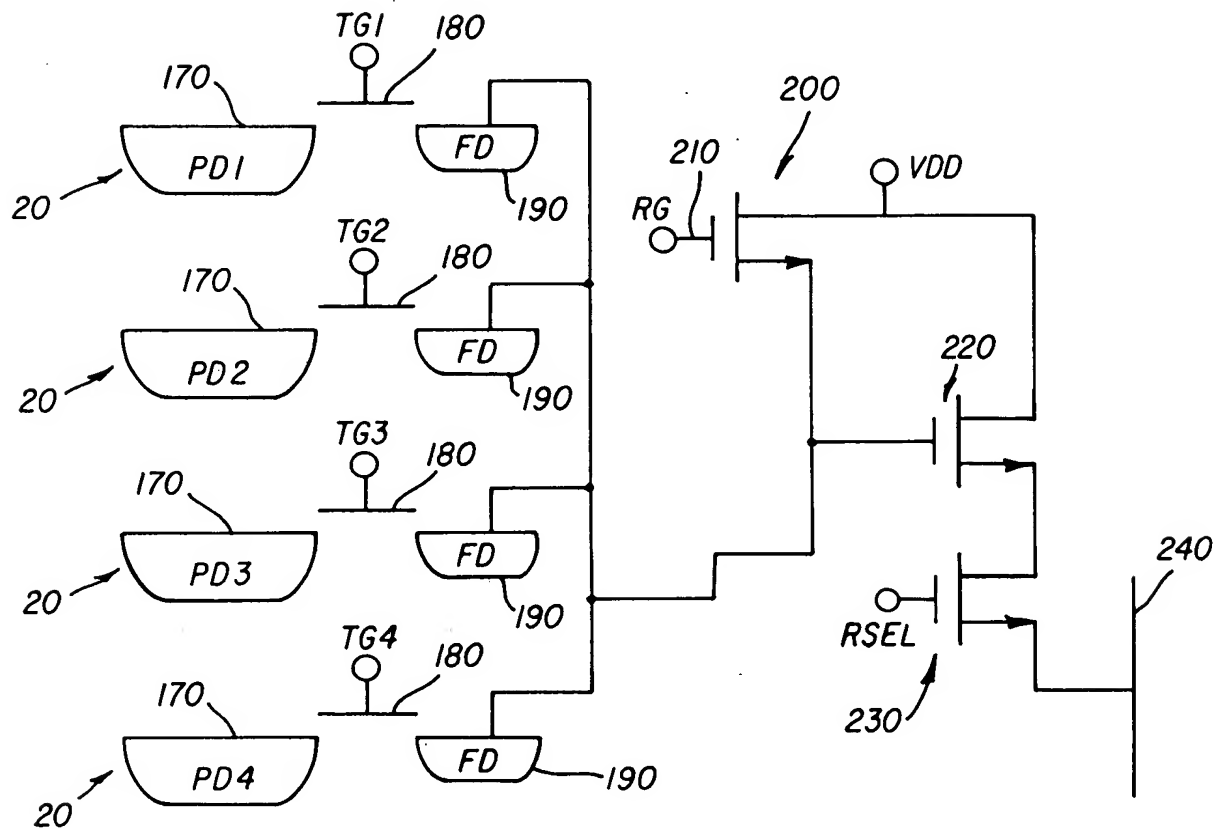




IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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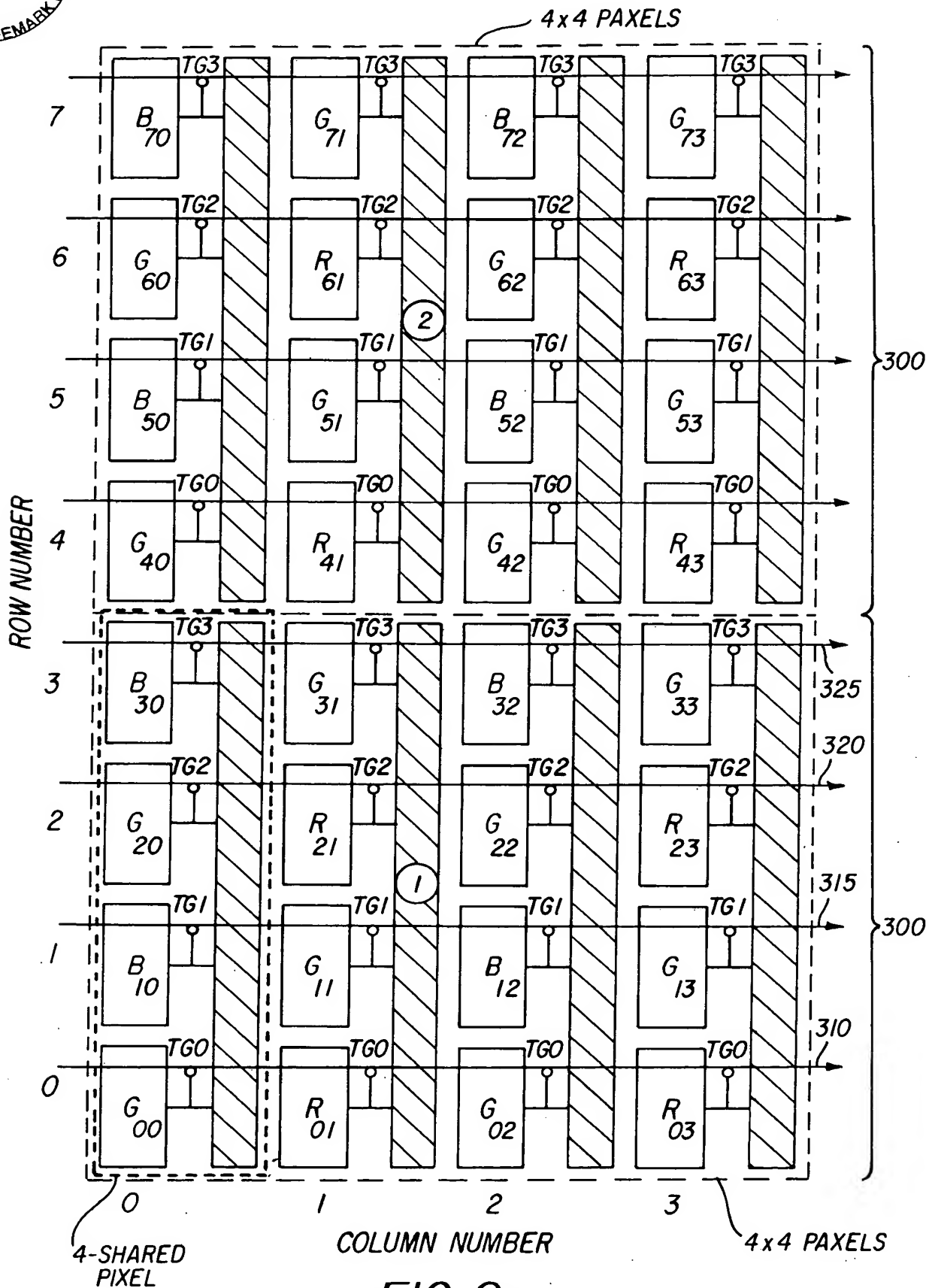
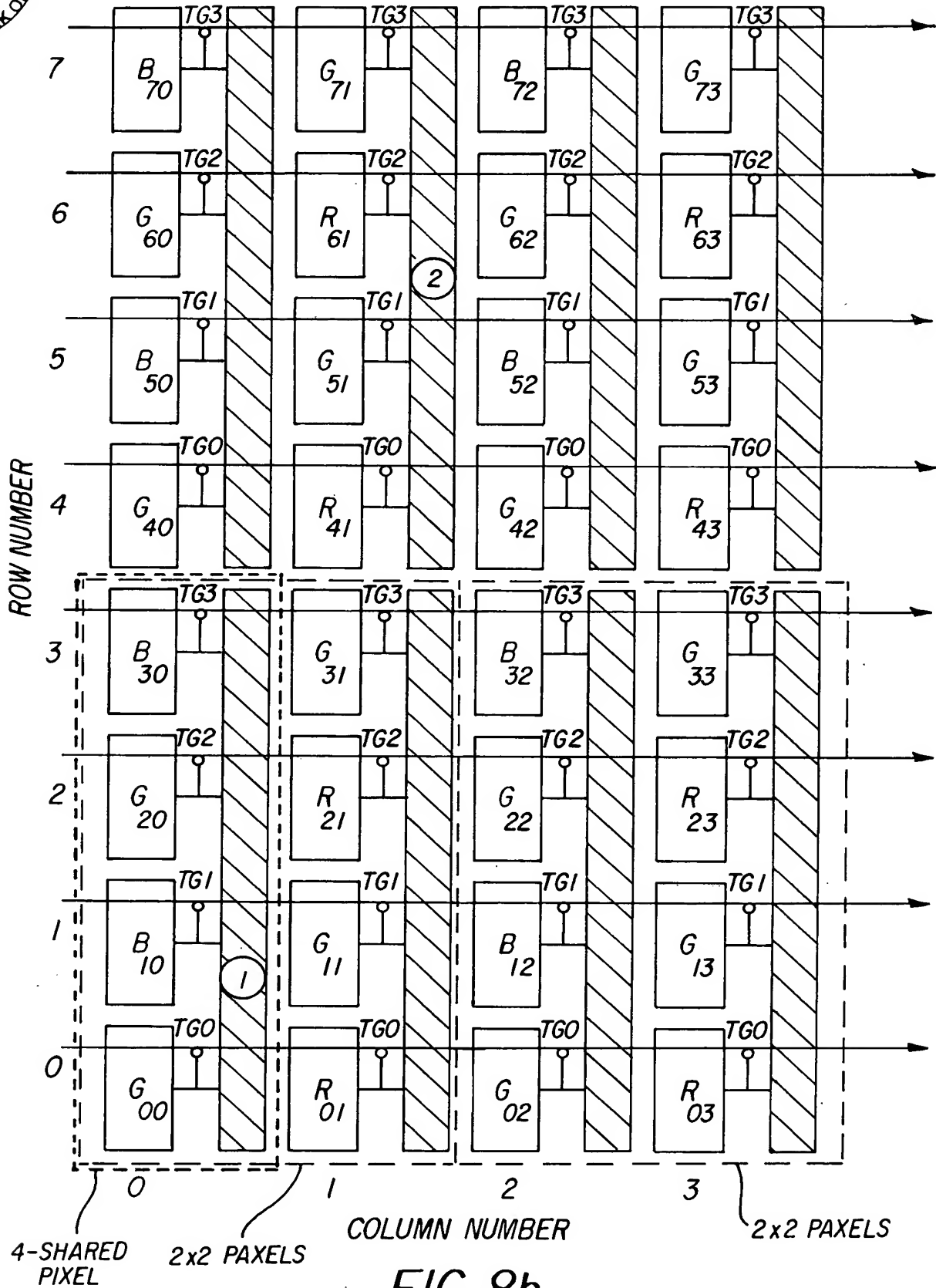


FIG. 8a

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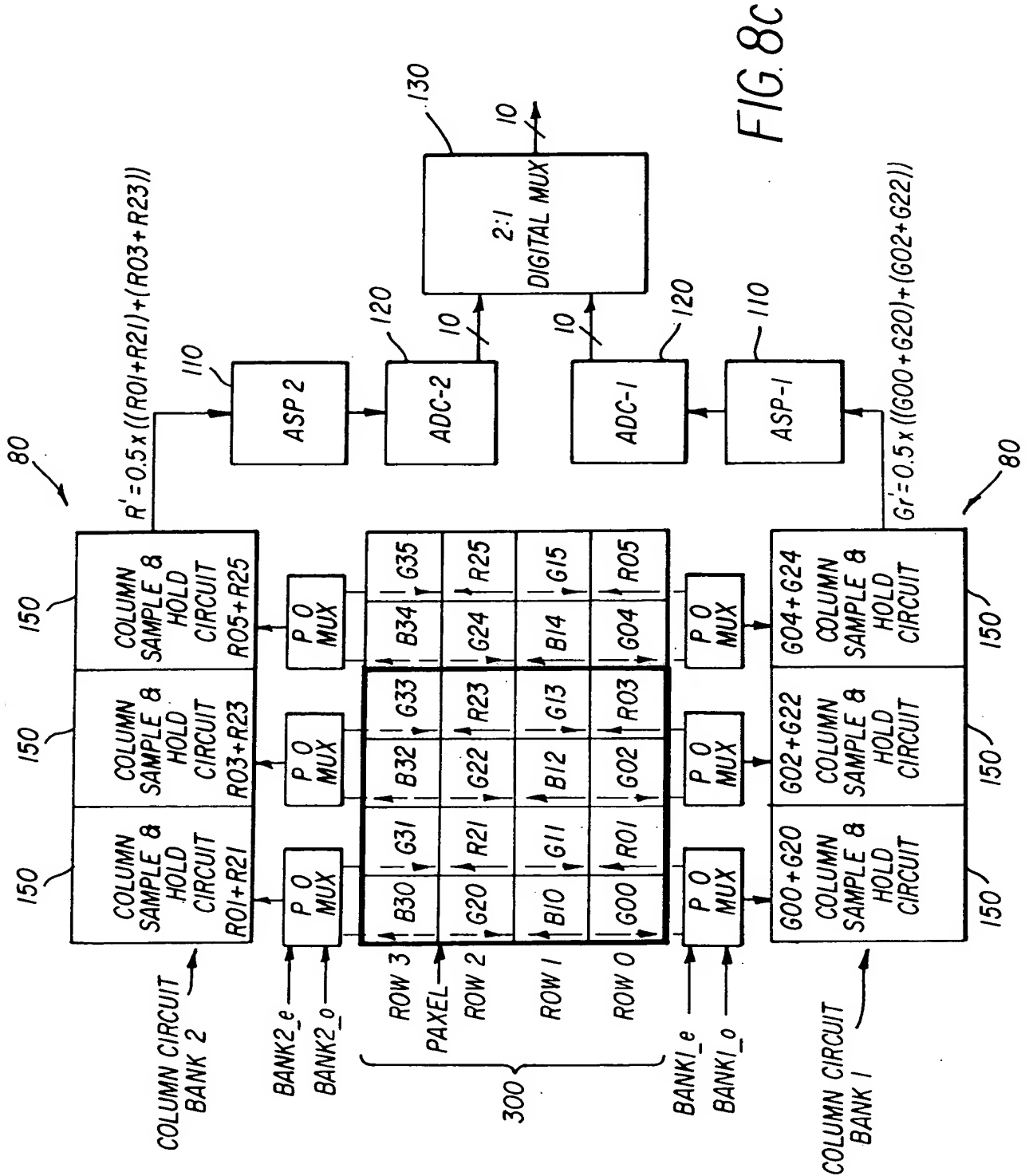




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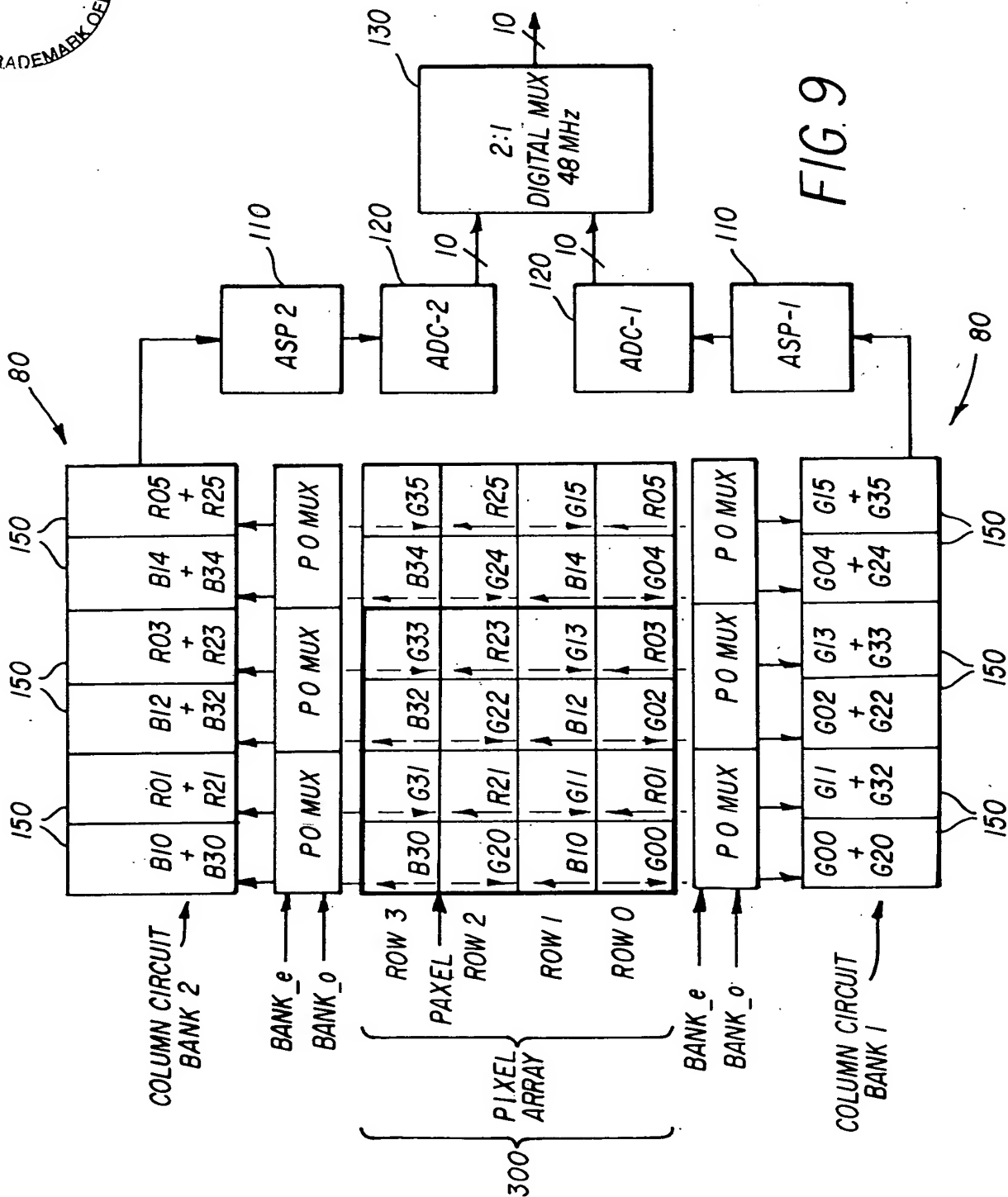


FIG. 9

# IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT

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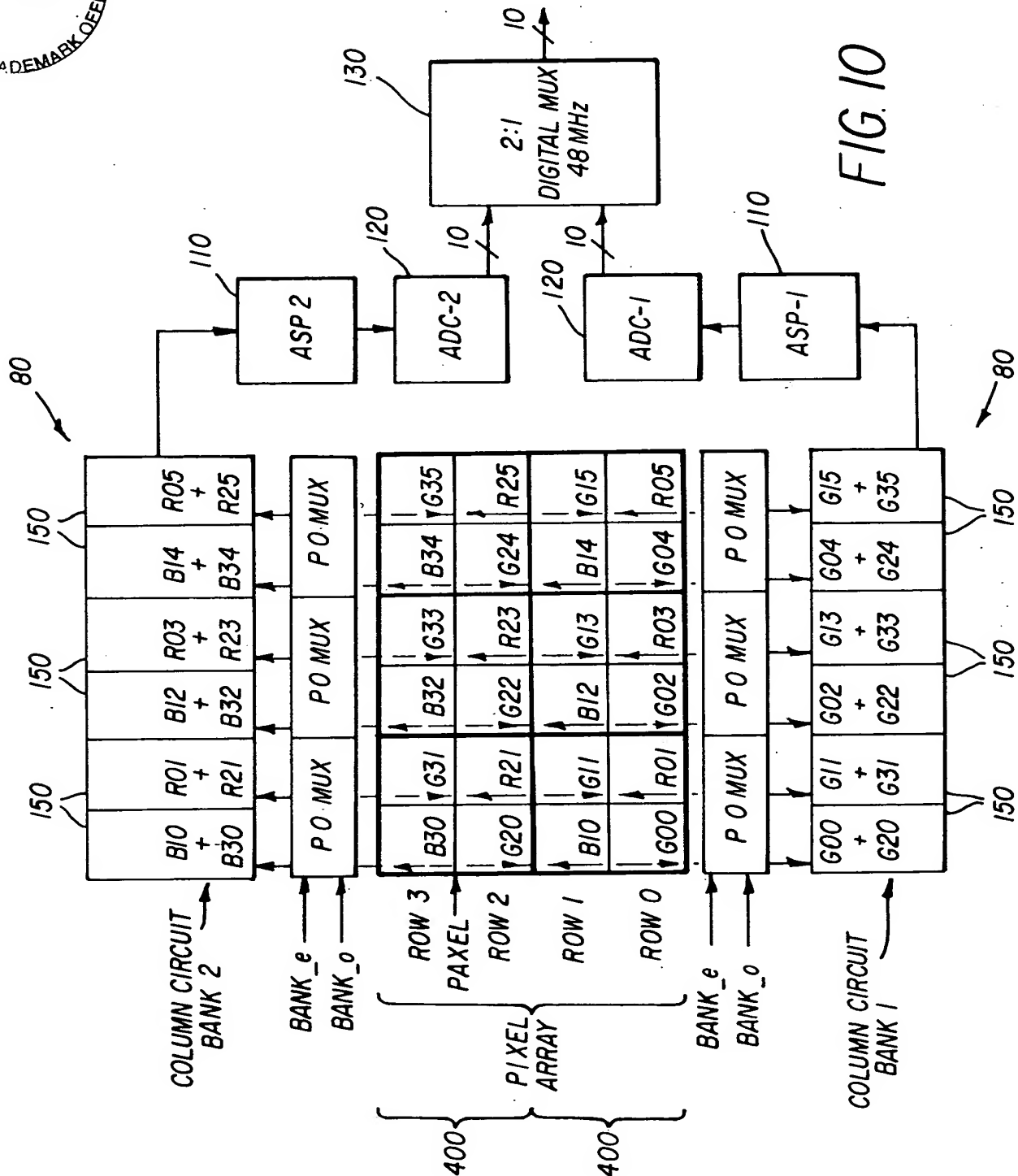
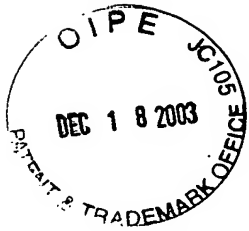


FIG. 10

IMAGE SENSOR WITH CHARGE BINNING AND DUAL CHANNEL READOUT  
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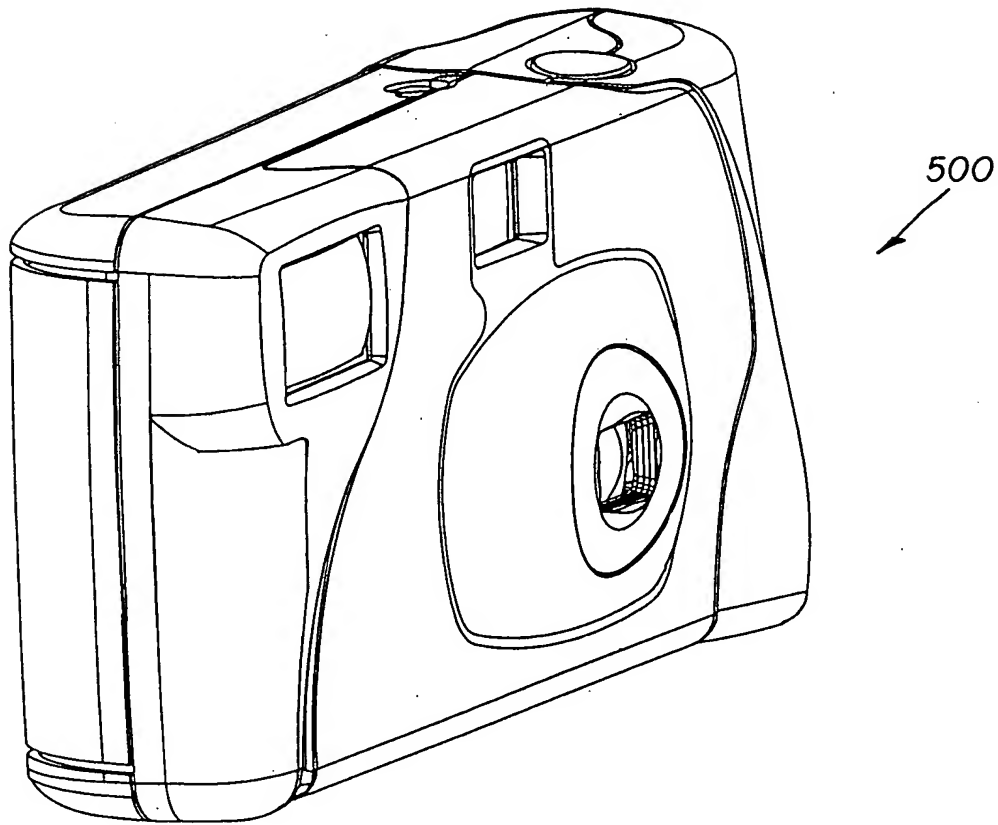


FIG. 11